

B.A.R.G. News

Volume 19 Issue 2

March 1996

SPECIAL EVENT CALLSIGN VI75RAAF

The Air Forces Amateur Radio Net (AFARN) is using the special event callsign VI75RAAF for an event to celebrate the 75th. Anniversary of the establishment of the RAAF in Australia, on the 31st.March 1921.

The event, which commenced on February 1st., will be in operation until the 31st.December 1996.

Australian amateurs confirming a contact will receive an excellent QSL card, and for \$5.00 a great A4 sized Award is available which will greatly enhance your collection.

Look for AFARN operators on all bands and modes on HF frequencies ending in .75 MHz or thereabouts as spectrum space allows.

(See December and January AR for further details.)



AN EDITORIAL PLEA

There was once a Newsletter Ed.
Who for a time was confined to his bed
And tho' keen to produce monthly issues
His 'In' tray held only tissues.

So he put out the word
(But no reply was heard)
The phone remained stilled
(And the mail box unfilled)
No news up the spout
And (Bloody Hell) he's got gout.

Not the best way to run a magazine
But you can't edit something you
haven't seen
So how about some communication
And give the Ed some jubilation
And the keyboard will click
And the printer will chatter
As it quickly disgorges another
months natter.

(Thanks for your good wishes - Ed.)

SILENT KEY - VK3GR

One of the oldest 'hams' passed away on the 12th.Feb.1996.
He was Bob Rowland VK3GR.
Bob was aged 93 and had been a very active radio operator since 1930 and was using his rig up until he fell ill and was hospitalised 2 years ago. I was privileged to know Bob since 1932 when he taught me the morse code.

Stan VK3SE

An affiliate of the
Wireless Institute
of Australia (W.I.A.)
founded 1910



VK3BML



BALLARAT AMATEUR RADIO GROUP INC.

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	GEORGE SMALL (VK3DKJ) SK	JIM WRIGHT (VK3CFB)
	KEVIN HUGHES (VK3WN)	PHIL SEDDON (VK3AQM)
	STAN WIDGERY (VK3SE)	

CLUB STATION

VK3 BML

REPEATERS

VK3RBA (Voice)	146.750 MHz. - Mt.Buninyong.
VK3RBS (Voice)	146.900 MHz. - Smeaton Hill
VK 3RPC (Packet)	144.750 MHz. - Mt. Warrenheip.
VK3RBU (Voice)	438.475 MHz. - Mt.Hollowback.
VK3RMB (Beacon)	432.535 MHz. - Mt.Buninyong.
VK3RBV (ATV)	426.250 MHz. - Ballarat

ACTIVITIES CLUB NET: Thursday nights at 8 pm. (8.30 pm during Daylight Saving). Freq: 3.610 MHz +/- QRM.

2 METRE SCRAMBLE: Sunday Nights at 7.50 pm. Freq: 146.425 to 146.600 MHz. Inc,

Call back held on VK3RBA 146.750 MHz.

Logs monthly to D.Quirk - P.O. Box 78 - Newstead 3462 (or Meeting) to qualify.

MEETINGS: General Meeting : Last Friday of each month (except December) at 7.30 pm.

Venue: Ballarat Adult & Further Education Centre (BRACE) 602 Urquhart St. (Cnr. Windemere St.)

FOX HUNTING: As arranged during the year.

PLEASE ADDRESS ALL CORRESPONDENCE to:

The Secretary - BARG Inc.
Box 1261
Mail Centre
Ballarat 3354

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The Minutes



of the Meeting held 23rd February 1996

The meeting was opened at 7-41pm by President Gordon VK3FGC who welcomed members and visitors then accepted apologies on behalf of the following VK3s: LBA & Val, AAI, YMW, JFL, DS, FMC, LDC, CFB, NIZ, AEX, VU, and SE. with special best wishes for a speedy recovery to ill members. CAZ / CCB

MINUTES of the January meeting were accepted as published.

XDQ / ASU

CORRESPONDENCE

IN: Amateur Radio Magazine
Hervey Bay ARC Newsletter.
Eastern Mountains District RC News.
W.I.A. re Special Event Callsigns
W.I.A. re VHF Mag. Subs.

W.I.A. re Exam fee structure.
C.F.A. re RBS
QSL - BML/LSM
Riverland ARC

OUT: VK3LSMQSL
VK3IBM Thanks!

SMA re VI3 EUREKA
Family of VK3GM

ADB / WN

TREASURER'S REPORT

Polar Electronics \$159.20
Concord Insurance \$137.50
John Graham Print \$ 24.90
News Postage 2mths \$ 72.35

A & FEC Room Hire \$190.00
Ballt. Elect Supp. \$ 30.18
VHF Magazine Sub. \$ 60.00

KGL / CFH

REPORTS

QSL's
NET

EDUCATION
TECHNICAL

Still moving through ! (VK3VBA)
SEVENTEEN check ins — Wow ! (VK3CCB)
4 new Students. 3 candidates for exam. (VK3DCS)
Hi-speed link - Equipment in test mode - Great !
RPA-8 Greater Co-operation from stations on conference bridge. (VK3DMK)
RFI report indicates problems on RBA stem from traffic control unit.
SMA following up on information given.

CCB/AXH

NEWSLETTER Great stuff Norm. Appreciate your efforts over and above the call of duty. Special thanks from all present.

WICEN

Training night soon, watch for dates. SKI 80 - Well briefed and co-ordinated
Parrot repellent needed as some difficulties experienced with parrots eating antennas!!!
(Possible AFTER PORT story .. Sec.???). EQUESTRIAN EVENT T.B.A - (VK3FGC)
CFH / JFL

FACILITIES

Comprehensive report from Les VK3JEM. Positive support from City Council: submission to be presented on behalf of club - Committee to compile. Vigorous discussion on pro's and con's of proposal.
Positive presentations by speakers. Deferred pending !!!

VISITATIONS

Tullamarine - Flight Simulator - March 15th. (VK3BNC)
Fiskville - Confirmed BBQ - April 14th. (VK3FMC)

MAGAZINE

DL - UHF magazine, re-subscribe

XDQ/AXH

MEETING CLOSED at 9-15 pm.

NEXT MEETING March 29th.

FINALLY - We always agree with people when they admit they are wrong — Hi!!!

Enjoy your month ! Cheers from Geoff ADB

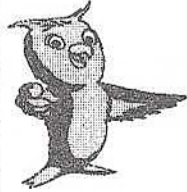
NOTE: B.A.R.G. Name Badges are available from the Secretary for the following:

VK3KCA, VK3HWK, VK3MKZ, VK3LPM, VK3HCJ, VK3YZR, N9NAY.

B.A.R.G.



MARKET.



NOTHING FOR SALE !!!!
NOTHING WANTED !!!!

EVERYBODY IS STOCKTAKING FOR
THE B.A.R.G. "JUNK AUCTION"
Friday 31st. May

1. That which causes a repetitive fluctuation in amplitude of an electrical signal or electric or magnetic field is called an
2. The number of cycles, oscillations or vibrations of a wave motion or oscillation in unit time is called the
3. An adjective used to describe apparatus designed to process signals enabling conversion to sound.
4. An abbreviation for a system which facilitates the operation of a transmitter by the application of the voice.
5. A band of frequencies which lie on either side of a modulated carrier wave.
6. The act of causing the amplitude, frequency, phase or intensity of a carrier wave to vary in sympathy with other applied signals.
7. A device for effectively radiating the output of a transmitter.
8. A device for accumulating and retaining an electric charge, consisting of two conductive surfaces separated by a dielectric.
9. Term for the minimum distance from a radio transmitter at which waves reflected from the ionosphere can be detected.
10. A three letter abbreviation for a type of oscillator.
11. Term for the distance from one extremity of a displayed waveform of an oscillation, to the neutral value.
12. An instrument for transforming sound generated waves of air pressure into changes in electric current or voltage.
13. A device for continually scrutinising the radio spectrum for signals.

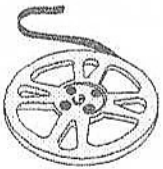
H	B	L	M	S	K	X	Y	R	C	L	E	R	W	Z	Z	D	U	L	C
U	K	L	L	O	A	H	A	R	G	F	X	G	A	U	M	C	S	L	D
N	E	K	A	N	D	C	K	L	I	H	G	T	V	E	P	B	C	V	T
F	Y	Z	N	D	Y	U	E	I	C	D	Q	B	Y	Y	O	I	A	Z	E
E	P	P	N	I	I	B	L	L	J	W	C	H	L	T	C	N	H	R	
L	U	X	E	E	Z	G	E	A	W	P	N	X	O	G	B	P	N	B	P
B	C	G	T	X	K	U	I	S	T	E	D	X	Y	H	E	J	E	Y	H
A	Z	U	N	U	Q	X	V	T	U	I	S	B	R	B	Z	X	R	A	N
T	W	X	A	S	D	G	L	Q	A	L	O	I	P	C	M	Z	M	D	E
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U	Z	W	V	N	H	O	C	T	T	M	O	B	T	W	O	A	O	B	K
Z	N	I	C	X	E	F	M	A	I	P	E	U	I	G	F	J	N	D	R
C	F	P	D	L	S	Q	L	A	H	C	D	D	F	H	D	T	Q	D	X
V	A	M	G	W	S	L	F	O	U	E	A	Z	O	E	V	M	H	Z	F
O	U	F	N	C	I	F	N	E	J	D	O	P	Q	M	K	O	N	O	N
X	G	A	C	C	E	E	S	G	B	D	I	V	A	U	S	K	I	P	D
W	O	K	S	N	C	V	M	K	C	C	A	O	Y	C	X	H	C	N	Y
K	W	O	L	O	Q	Y	O	R	Z	T	G	K	N	L	H	O	L	E	R

DEGREE OF DIFFICULTY = 4 STUBBIES

- 14 A device used in conjunction with a transmitter for the sending of continuous wave transmissions.
- 15 Code for the confirmation of a contact or statement.
- 16 The state of an amateur rig when operated away from the QTH specified on the relevant licence.
- 17 Code for a temporary short disruption to transmission.
- 18 A type of circuit which cuts off the output of an (FM) receiver until a signal of the desired strength is received.
- 19 Not analogue.
- 20 A device for connecting a peripheral device to a computer.

Answers on Page 7

LEARN THE LINGO



Thomas Alva Edison

The Informative Years

From SV1ANW@SV1SV



THOMAS ALVA EDISON was 21 years old when he took out his first patent. It was for an electric vote counter to be used in the United States House of Representatives. The machine worked perfectly, but the congressmen would not buy it. They did not want vote counting to be done quickly. Often the roll call was used for purposes of delay (filibustering). This experience taught the young inventor a lesson. He decided to follow a simple rule: "First, be sure a thing is wanted or needed, then go ahead." When he died at 84, Edison had patented 1,093 inventions. They included the motion-picture projector, phonograph, electric-light bulb, and hundreds of others. Many were among the most useful and helpful inventions ever developed.

Mother His Teacher

The man who was often to be called the greatest inventor who ever lived was born in Milan, Ohio, on Feb. 11, 1847. His father, Samuel Edison, was a shingle maker. His mother, Nancy Elliott Edison, was a schoolteacher. When young Edison was 7, the family moved to Port Huron, Mich. There he went to school for three months the only formal schooling he ever had. His teachers thought him stupid because he questioned every answer given him. His mother, however, understood that her son asked so many questions because he wanted to know exactly how things worked. She encouraged him in his eagerness to learn. By the time he was 12, with his mother's help, he had read Gibbon's 'Decline and Fall of the Roman Empire', Hume's 'History of England', Sears's 'History of the World', Burton's 'Anatomy of Melancholy', and the 'Dictionary of Sciences'. He had also begun to do chemistry experiments and had his own laboratory in his father's basement. By this time Edison's father was a successful grain and feed dealer in Port Huron. The young inventor did not really have to go to work, but he wanted his own money. He wanted to buy chemicals and equipment for his experiments. When he was 13, Edison became a newsboy on the Grand Trunk railroad. Between trips he spent his free time reading science and reference books in the library. In order to continue his chemistry experiments Edison set up a laboratory in a baggage car on the train. He also began publishing his own newspaper there on a press that had been used for printing handbills. He was typesetter, press operator, editor, publisher, and newsboy for this paper, which he called The Herald. He published not only local news but also national and international events. He got this news from telegraphers at stations along the way. He printed many reports on the Civil War battles, and these helped to make his newspaper a success. The London Times carried a story about Edison's paper, pointing out that it was the first newspaper in the world to be printed on a moving train.

Accident Caused Deafness

An accident at about this time started the deafness which Edison had for the rest of his life. One day he was trying to climb into a freight car with both arms full of newspapers. The conductor took him by both ears to lift him into the car. Edison felt something snap in his head, and his deafness began then. He always said he did not mind being deaf. It kept him from being bothered by outside noises and he could give full thought to the work at hand. One day Edison was making an experiment in his baggage-car laboratory when a stick of phosphorus accidentally set the car on fire. The conductor threw out the boy and his equipment. Edison's railroading days came to an end.

Experiences as Boy Telegrapher

When Edison was 15, he saved the life of the baby son of a station agent at Mount Clemens, Mich. Edison was standing on the station platform when he saw that a freight car was about to run over a child who was playing on the tracks. He dashed to the rescue. The child's grateful father, John Mackenzie, offered to teach young Edison how to be a telegraph operator. He soon learned the Morse code and became skilled in sending and taking messages. At 16 he became a telegrapher at Stratford Junction, Canada. In his spare time Edison experimented with an old telegraph set, taking it apart and putting it together again. Finally he understood exactly how it worked. One of Edison's first inventions was a telegraph repeater which automatically relayed a message to a second line. The second instrument was made to work at a slower rate than the first. When a message came in too fast over the first receiver for Edison to copy easily, he could slow down the message by relaying it over the second machine. This device was the germ from which some of his later important inventions were developed. However, all it earned for him at the time was a reprimand from the manager of the telegraph office. The manager thought young Edison was wasting the telegraph company's time using such "toys." As a young telegraph operator Edison dressed poorly. He spent all he earned on books and equipment. His employers were impatient with his habit of forgetting about his work as a telegrapher while he worked on his own experiments. He continued to work hard on his ideas for inventions. After five years of this wandering life Edison went to Boston and then to New York City where he continued to carve his niche in the scientific world until his death in 1931..



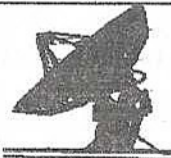


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73 de Bill VK3PH



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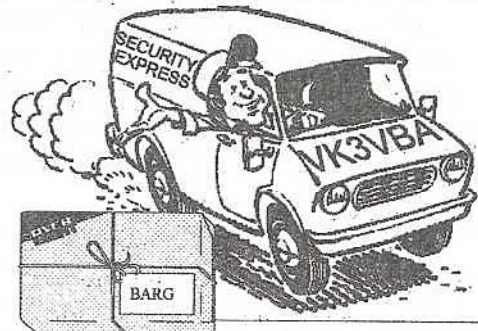
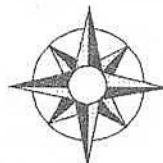
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**OR CONTACT
BALLARAT AGENT
IAN LEISHMAN**

018 503682

or

**DOUG RAPER VK3VBA
015-368922**

ANSWERS TO LEARN THE LINGO

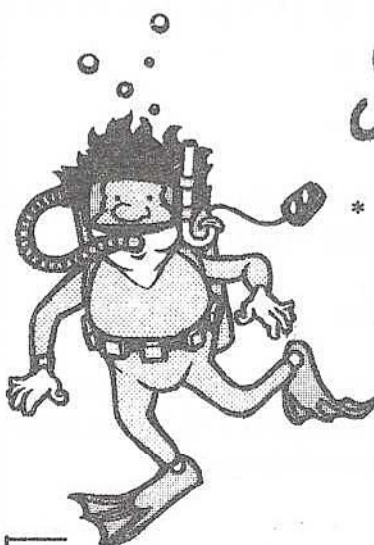
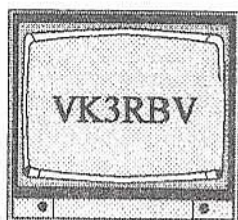
How'd you go Werner ?

20 MODEM	10 VFO
19 DIGITAL	9 SKIP
18 SQUELCH	8 CAPACITOR
17 ORX	7 ANTENNA
16 PORTABLE	6 MODULATION
15 QSL	5 SIDEBAND
14 KEY	4 VOX
13 SCANNER	3 AUDIO
12 MICROPHONE	2 FREQUENCY
11 AMPLITUDE	1 OSCILLATOR

ATV-VK3RBV UPDATE

Thanks to the continued efforts of Ben VK3TOP and Stan VK3SE an excellent transmission is currently being made from the Q.E.H. site. Ben's "Roof Cam" has been focused onto a building being constructed nearby, and Charlie VK3DCS reports that the picture is magnificent.- Well done Ben and Stan.

Discussions are currently in progress to establish a schedule or timetable to activate the installation, but it looks like it will be fired up on Thursday nights, after the BARG Net. Contact Charlie VK3DCS, Stan VK3SE or Ben VK3TOP for more details.



Smile a While!

- * A seminar on 'how to cope with a crisis' being held in Plymouth was cancelled after the guest speaker became hysterical when he was informed that his house was on fire !
- * Is it true that one of our mates keeps an empty milk bottle in the fridge because his friend only drinks black coffee ?

- ◆ Who was the guy who went out with a shotgun to find the 'other father' when his wife told him they were having twins ?
- ◆ Is it true that Tom told the Pizza guy to cut the pizza into six pieces cos he didn't think that he could eat eight pieces ?
- ◆ A recent survey indicated that the best three years in the life of politicians were spent in Grade 4.
- ◆ Who was the bright spark that removed the windscreen wipers from his car so that he wouldn't get a parking ticket ?
- ◆ How do you burn a 'househusbands' ear ?
Ring him up whilst he is ironing.
- ◆ How do you burn his other ear ?
Ring him up 5 minutes later.



THE HAM POPULATION

THERE ARE OVER 3 MILLION HAMS WORLDWIDE

Where are they ? Here are some of the major countries.

COUNTRY	POPULATION	HAMS
Japan	120 M	1,400,000
USA	252 M	670,000
Germany	77 M	74,000
U.K.	57 M	60,000
Indonesia	194 M	60,000
Spain	39 M	47,000
Canada	26 M	44,000
Russia	300 M	38,000
Italy	57 M	30,000
Brazil	156 M	26,000
Argentina	32 M	24,000
Australia	18 M	16,920

From G3ZHI - HOW MANY QSL CARDS HAVE YOU GOT ? (Ed.)

COMING EVENTS AND INFORMATION

March 29th. General Meeting.

April 14th. - Fiskville - 11.30am BBQ.

April 17th. Committee Meeting.

April 26th. General Meeting.

27th. April (Saturday) FAMPARC White Elephant Sale - Frankston
St Pauls Church Hall - Melways 102C3

May 22nd. Committee Meeting.

May 31st. General Meeting - Junk Auction.

Monday Nights - Practical Nights.

2M Scramble - Sunday Nights 7.50pm 146.425 to 146.600 Mhz.

Club Net - Thursday Nights 8pm. 3.610 +/- QRM - (8.30pm during Daylight Saving.)

WICEN Training Nights - 4th. Wednesday each month.



B.A.R.G.

THE BALLARAT AMATEUR RADIO GROUP INC.

A GROUP OF RADIO ENTHUSIASTS LICENSED TO EXPERIMENT
WITH LOCAL & INTERNATIONAL RADIO COMMUNICATIONS ON AN AMATEUR BASIS.

NEW MEMBERS ALWAYS WELCOME

OFFICIAL NEWSLETTER OF THE BALLARAT AMATEUR RADIO GROUP INC.

B.A.R.G. NEWS



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